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ABSTRACT

One of five reports developed to summarize research efforts conducted as part of an Agricultural-Forestry Development Project, this report presents the results of an inventory of human resources used in the agricultural and forestry industries in the Four Corners Economic Development Region. Explored are such aspects of labor as: (1) employment and employment trends, (2) unemployment, (3) seasonal unemployment, and (4) underemployment. Some of the findings were: (1) Employment is projected to increase in each of the four states (Arizona, New Mexico, Colorado, and Utah) over the period 1960-1975, with the highest percentage change expected in Arizona, (2) The level of unemployment was consistently higher in Utah, with New Mexico rates approaching those of Utah and Arizona and Colorado considerably lower, and (3) In 1960, 10 counties in the region had negative total man-years of economically unutilized labor. Tables depicting the findings are included. (SN)

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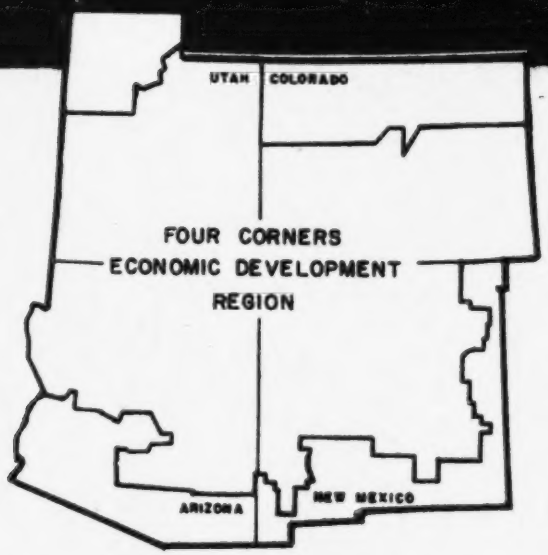
Special Report No. 1
March 1971

Four Corners Agricultural and Development Study

LABOR RESOURCES in the FOUR CORNERS ECONOMIC DEVELOPMENT REGION



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Report to
Four Corners Regional Commission

VT018575

NEW MEXICO STATE UNIVERSITY
AGRICULTURAL EXPERIMENT STATION
In Cooperation
Stations of the University of Arizona
Colorado State University
and Utah State University

FOREWORD

Information reported in this publication was developed under Technical Assistance Contract - F.C.R.C. No. 301-300-14 Four Corners Regional Commission, "Development Opportunities for Agriculture and Forestry Resources in the Four Corners Region." The research was jointly financed by the Four Corners Regional Commission and the Experiment Stations of New Mexico, Arizona, Colorado, and Utah. The Agricultural Experiment Station at New Mexico State University coordinated the study and served as prime contractor with the Four Corners Regional Commission. The other Experiment Stations served as subcontractors to New Mexico State University.

This report is one of five special reports which inventories the resources used in the agricultural and forestry industries in the Four Corners Economic Development Region. The other inventory reports include information on land, water, capital, and forestry resources.

Additional special reports on development possibilities are being prepared under this contract, and there will be a final report.

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ED 073238

LABOR RESOURCES IN THE FOUR CORNERS ECONOMIC DEVELOPMENT REGION

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INTRODUCTION

Economic development implies, in part, enhancement of employment opportunities within target sub-regions. Target sub-regions may be delineated through examination of employment data; areas with serious unemployment and/or underemployment problems are candidates for investment stimulus. The type of investment and even the feasibility of investment may be dictated by the present and potential quantity and quality of available labor resources in a sub-region.

This labor inventory summary is specific to the Four Corners Economic Development Region (see figure 1) and was developed as part of an Agricultural-Forestry Development Project sponsored by the Four Corners Regional Commission. The objective of this report is to summarize, for reference in later research, some of the pertinent aspects of labor in the region. Included are county data on historical and projected employment levels, by industrial sector; 1969 agricultural and non-agricultural seasonal unemployment; 1960 underemployment and man-years of economically unutilized labor, and unemployment by years and by county.

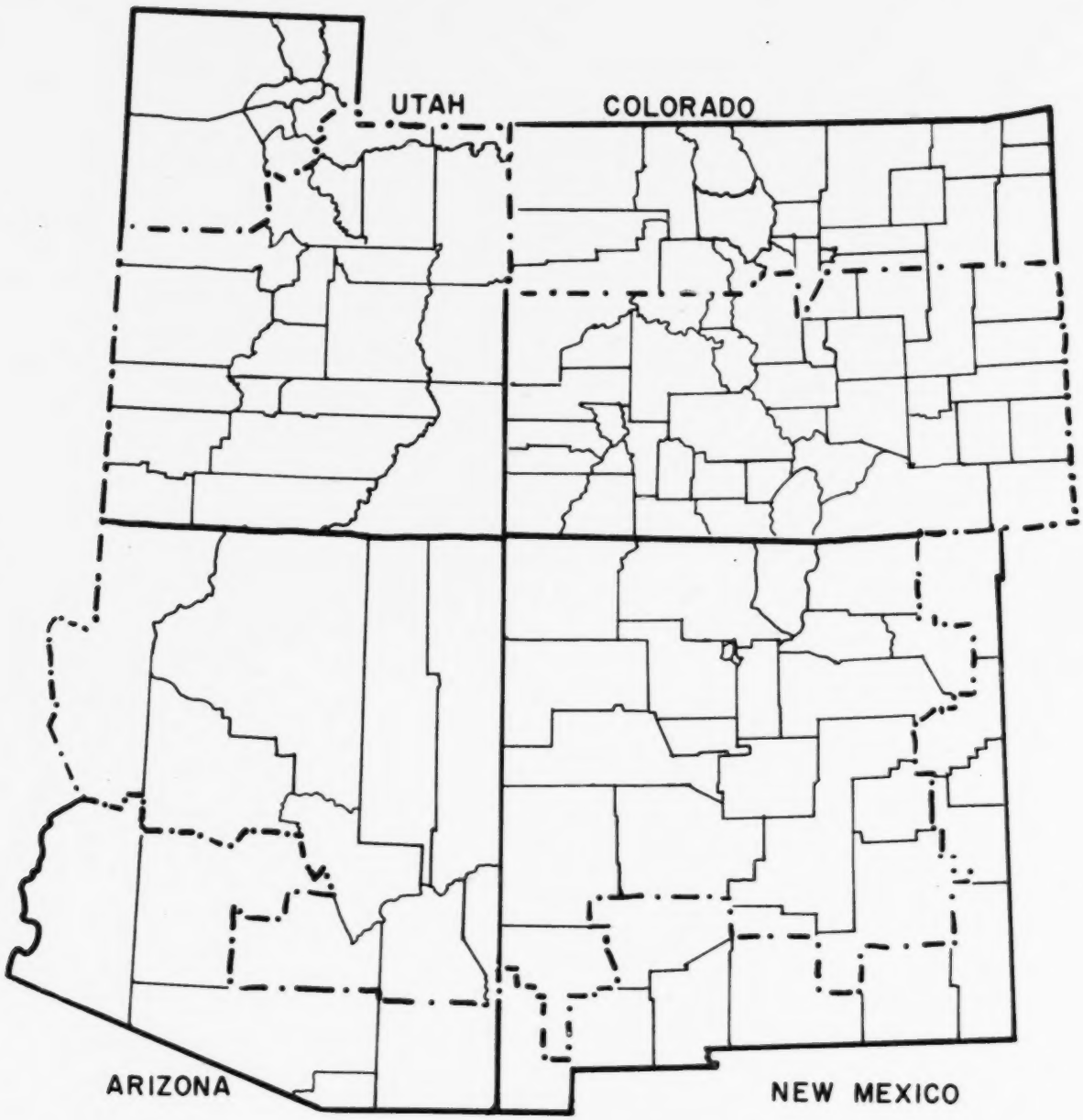

Figure 1. Four Corners Economic Development Region

EMPLOYMENT AND EMPLOYMENT TRENDS

Employment levels by county and industrial sector for 1960, 1964, 1967, and projected 1970 and 1975 for the Four Corners Development Region are presented in Appendix A. These data were abstracted from "Back-up Working Papers of Economic Analysis for Four Corners Vocational - Technical Education Planning Project", an unpublished document prepared by the staff of the Four Corners Regional Commission. One aspect of the report not covered in this inventory but worthy of investigation for some development possibilities is projected employment, by vocational skill, for 1967, 1970, and 1975.

Tables 1 through 4 on projected trends in agricultural and non-agricultural employment by counties were designed to summarize the information in Appendix A. The projected percentage changes were computed as follows:

$$\text{Percent } \triangle E_{ij} = \frac{{}_{1975}E_{ij} - {}_{1960}E_{ij}}{{}_{1960}E_{ij}} \times 100$$

where E = employment
i = type of employment (agricultural, non-agricultural)
j = county

hence the projected percentage change in employment is expressed in terms of the base year, 1960.

Employment is projected to increase in every state over the period 1960-1975; total regional employment for the same period is also expected to increase. The highest percentage change in state employment is expected in Arizona (73.42 percent); regional employment percentage change is also projected to be greatest in the Arizona counties within the Four Corners Region (40.50 percent). Although projected increases in Utah's state employment are relatively high (50.68 percent), Utah counties within the Four Corners Region are expected to experience the smallest regional change (28.67 percent). New Mexico's total employment is projected to increase 24.90 percent over the base year by 1975; employment in the counties within the Four Corners Region is projected to increase by 31.49 percent over the same period. Employment projections for Colorado parallel those of New Mexico but the rates are somewhat higher; 32.05 percent projected increase for the state and 36.44 percent for counties in Colorado within the Four Corners Region.

Four counties in Arizona, seven in Colorado, eight in New Mexico, and nine in Utah within the Four Corners Region are expected to have lower total employment in 1975 than during the 1960 base year.

Non-agricultural employment in Arizona, Colorado, New Mexico, Utah, and in the sub-regions of these states is projected to increase from 1960 to 1975. State percentage changes range from 83.30 percent in Arizona to 33.71 percent in New Mexico; sub-regions percentage changes vary from 45.00 percent in Arizona to 39.27 percent in New Mexico. On the other hand, agricultural employment in all four states and their sub-regions is projected to decline, with New Mexico and Utah expected to experience the greatest percentage reduction, -52.42 and -56.62, respectively. Percentage reduction in the Utah sub-region is projected to be -63.02, the New Mexico sub-region is expected

Table 1. Projected percentage change in employment; non-agricultural, agricultural, and total; by county, Arizona, 1960-1975

County	Non-agricultural	Agricultural	Total
	percent	percent	percent
Apache	80.54	-41.67	73.63
Coconino	27.04	0	26.65
Gila	- 4.17	-57.00	- 5.62
Graham	2.03	-47.00	-11.65
Greenlee	- 8.76	- 0.50	- 8.30
Mohave	372.26	0	347.45
Navajo	123.37	89.50	122.43
Pinal	24.09	19.38	23.08
Yavapai	- 1.91	-27.71	- 3.76
Sub-region[1]	45.00	- 0.57	40.50
State	83.30	-18.40	73.42

1 Total for Arizona counties within the Four Corners Development Region.

Source: Derived from labor statistics abstracted from "Back-up Working Papers of Economic Analysis for Four Corners Vocational-Technical Education Planning Project", an unpublished document prepared by the staff of the Four Corners Regional Commission.

Table 2. Projected percentage change in employment; non-agricultural, agricultural, and total; by county, Colorado, 1960-1975

County	Non-agricultural	Agricultural	Total
	percent	percent	percent
Alamosa	55.92	30.23	51.46
Archuleta	269.55	58.24	203.63
Baca	5.48	13.67	9.67
Bent	173.91	-12.06	88.14
Chaffee	38.35	-28.57	30.04
Cheyenne	47.14	-14.55	17.21
Conejos	63.28	-17.75	20.29
Costilla	54.74	-10.98	20.33
Crowley	-40.61	-25.56	-34.88
Custer	86.62	-16.00	38.58
Delta	58.23	-14.21	26.33
Dolores	292.26	-28.89	217.57
Douglas	159.12	-17.74	112.76
Elbert	67.03	-18.83	13.75
El Paso	52.29	-25.04	49.72
Fremont	70.87	-13.71	62.82
Gunnison	128.02	-18.08	99.40
Hinsdale	22.86	-56.67	- 1.00
Huerfano	53.40	-24.86	31.07
Kiowa	61.89	-21.14	19.03
Kit Carson	82.65	-11.68	35.41
Lake	33.72	-28.57	33.04
La Plata	36.95	63.28	40.84
Las Animas	63.73	-19.70	45.56
Lincoln	74.75	-19.72	29.97
Mesa	28.48	-10.11	23.03
Mineral	17.36	-33.33	9.36
Montezuma	59.65	-43.03	35.46
Montrose	13.03	-19.06	4.64
Otero	23.41	-17.78	14.90
Ouray	5.97	-29.92	- 2.65
Park	100.39	-22.29	50.92
Pitkin	228.69	-20.00	214.06
Prowers	75.90	-28.04	43.53
Pueblo	32.31	-36.50	30.53
Rio Grande	- 1.75	-16.50	- 5.46
Saguache	- 8.12	-29.31	-17.71
San Juan	-28.72	0	-28.61
San Miguel	-32.56	-61.25	-36.39
Teller	19.75	-19.64	14.86
Sub-region[1]	44.35	-15.16	36.44
State	35.57	-17.10	32.05

1 Total for Colorado counties within the Four Corners Development Region.

Source: See table 1.

Table 3. Projected percentage change in employment; non-agricultural, agricultural, and total; by county, New Mexico, 1960-1975

County	Non-agricultural	Agricultural	Total
	percent	percent	percent
Bernalillo	47.17	-49.57	46.43
Catron	-34.48	-58.62	-45.76
Chaves	2.93	-31.11	- 0.79
Colfax	10.13	-40.64	2.28
De Baca	-13.09	-62.82	31.58
Grant	26.56	-52.00	20.48
Guadalupe	32.71	-78.98	- 9.63
Harding	- 7.07	- 8.67	- 7.86
Lincoln	186.51	-17.06	127.85
Los Alamos	33.80	0	33.80
McKinley	33.08	-80.43	24.14
Mora	95.69	-84.68	-29.23
Otero	- 2.14	-61.90	- 5.20
Rio Arriba	74.71	-83.94	26.77
Sandoval	269.25	-89.75	117.02
San Juan	41.70	-74.25	34.98
San Miguel	4.57	-77.70	-11.59
Santa Fe	33.73	-62.58	29.43
Socorro	12.02	-55.62	2.57
Taos	145.77	-78.67	84.51
Torrance	47.29	-73.94	7.55
Valencia	- 8.26	-39.56	-11.73
Sub-region[1]	39.27	-62.49	31.49
State	33.71	-52.42	24.90

1 Total for New Mexico counties within the Four Corners Development Region.

Source: See table 1.

Table 4. Projected percentage change in employment; non-agricultural, agricultural, and total; by county, Utah, 1960-1975

County	Non-agricultural	Agricultural	Total
	percent	percent	percent
Beaver	43.01	-41.14	23.11
Carbon	4.23	-70.00	1.29
Daggett	-35.13	-78.33	-42.77
Duchesne	16.16	-72.89	-18.24
Emery	- 6.54	-73.28	-25.43
Garfield	42.72	-73.61	14.93
Grand	69.51	-72.73	63.25
Iron	86.36	-56.49	65.51
Juab	74.60	-74.12	44.96
Kane	3.25	-71.67	-10.51
Millard	28.58	-53.81	- 3.74
Piute	41.52	-70.00	-13.52
San Juan	-29.86	-72.24	-36.40
Sanpete	82.93	-70.28	25.14
Sevier	10.48	-69.26	- 8.44
Summit	63.57	-74.49	25.16
Uintah	24.99	-73.95	6.00
Utah	63.02	-41.04	55.51
Wasatch	62.64	-72.75	31.25
Washington	62.36	-61.97	33.66
Wayne	28.28	-71.72	-21.12
Sub-region[1]	46.32	-63.02	28.67
State	38.55	-56.62	50.68

1 Total for Utah counties within the Four Corners Development Region.

Source: See table 1.

to lose 62.49 percent of its 1960 agricultural employment by 1975. Colorado's and Arizona's expected decline in agricultural employment is moderate relative to situations in New Mexico and Utah. Arizona's agricultural employment is projected to decline 18.40 percent over the period 1960-75, sub-regional agricultural employment is projected to decline .57 percent. Colorado's agricultural employment in 1975 will be 17.10 percent below the 1960 base, Colorado's sub-regional agricultural employment should decline 15.16 percent. Within sub-regions, 35 of 40 Colorado counties, 19 of 22 New Mexico counties, 5 of 9 Arizona counties, and all 21 Utah counties have projected reductions in agricultural employment. Regional agricultural employment is projected to decline 21,104 between 1960 and 1975.

UNEMPLOYMENT

Unemployment is the topic most often discussed in the context of national goals and monetary and fiscal policy. Recent attempts to curb inflation have led to a rise in national unemployment. While this recent trend may be reflected in some of the statistics presented in this section, the objective of including this information was to facilitate detection of counties suffering chronic unemployment. These data are not temporally compatible; information on unemployment rates were not available in some states for 1965-1967.

Tables 5 through 8 summarize unemployment levels and percentage unemployment, by counties, in the four sub-regions. The level of unemployment was consistently higher in the Utah sub-region than in the other three; New Mexico sub-region unemployment rates approach those of Utah; and Arizona and Colorado rates for the comparable years are considerably lower. In 1969, Arizona unemployment rates varied from a low of 2.4 percent in Greenlee County to 6.2 percent in Apache County. Colorado unemployment varied from 1.4 percent in Baca County to 10.7 percent in Saguache. New Mexico rates ranged from 2.1 in Los Alamos County to a regional high of 15.9 percent in Rio Arriba County. Iron County, Utah had the lowest rate of unemployment in that sub-region (4.1 percent), Garfield and Kane counties had the highest rate, 13.6 percent.

Unemployment rates in 1969 equaled or exceeded six percent in 30 of the 96 counties in the Four Corners Development Region. Seven of the 96 counties had 1969 unemployment rates in excess of 10 percent.

SEASONAL UNEMPLOYMENT

Because development possibilities offer only seasonal employment, evaluating seasonal employment, by counties, may help specify target development areas. The following section is a report on 1969 total and agricultural seasonal employment, by counties, in the Four Corners Development Region (tables 9 through 12). The crude index of seasonality was computed as follows:

$$\text{Percent Seasonal Employment} = \frac{EHM - ELM}{ELM} \times 100$$

where EHM = highest monthly employment
ELM = lowest monthly employment

Table 5. Unemployment and percentage of unemployment, by county, Arizona sub-region, 1967-1969

County	1967		1968		1969	
	Unemployment	Percent	Unemployment	Percent	Unemployment	Percent
Apache	375	5.9	550	6.5	575	6.2
Cochise	800	3.8	675	3.3	650	3.1
Coconino	750	4.2	775	4.1	700	3.5
Gila	425	5.3	375	4.4	325	3.4
Graham	300	7.1	225	5.5	175	4.1
Greenlee	150	4.2	150	3.9	100	2.4
Maricopa	12,900	3.9	10,200	2.9	9,800	2.6
Mohave	325	5.1	300	4.6	275	3.4
Navajo	575	5.2	600	5.0	475	3.8
Pima	4,100	3.9	4,300	3.9	3,600	3.1
Pinal	650	3.0	675	3.1	575	2.6
Santa Cruz	275	5.3	300	5.7	250	4.7
Yavapai	475	4.6	450	4.7	400	4.3
Yuma	1,500	5.6	1,050	4.0	975	3.6
Sub-region			21,900	3.6	18,600	2.9

Source: Arizona Basic Economic and Manpower Data, Arizona State Employment Service, Research and Information.

Table 6. Unemployment and percentage unemployment, by county, Colorado sub-region, 1968-1969

County	1968		1969	
	Unemployment	Percent	Unemployment	Percent
Alamosa	186	4.1	185	4.0
Archuleta	74	5.3	111	7.8
Baca	42	1.9	30	1.4
Bent	54	2.3	90	3.8
Chaffee	138	4.8	123	4.3
Cheyenne	30	3.0	24	2.5
Conejos	201	8.0	240	9.6
Costilla	129	12.5	96	9.4
Crowley	98	9.1	96	9.1
Custer	21	4.9	13	3.1
Delta	253	4.6	284	5.2
Dolores	13	2.4	10	2.0
Douglas	67	3.8	64	3.3
Elbert	31	2.4	27	2.1
El Paso	1,960	3.0	2,140	3.1
Fremont	277	4.8	280	4.7
Gunnison	166	5.8	147	4.8
Hinsdale	5	4.9	5	4.8
Huerfano	111	5.3	126	6.0
Kiowa	27	3.1	15	1.8
Kit Carson	60	2.1	65	2.2
Lake	112	2.8	83	2.2
La Plata	337	4.9	339	5.1
Las Animas	224	4.4	235	4.6
Lincoln	43	2.2	48	2.5
Mesa	812	4.0	423	4.0
Mineral	4	1.4	5	1.7
Montezuma	178	3.7	202	4.2
Montrose	295	4.5	277	4.2
Otero	328	3.6	371	4.0
Ouray	25	2.9	18	2.2
Park	32	3.7	25	3.2
Pitkin	67	1.9	85	2.1
Prowers	170	3.5	152	3.1
Pueblo	1,900	4.3	1,900	4.3
Rio Grande	158	3.9	164	4.0
Saguache	100	7.1	153	10.7
San Juan	12	5.6	8	2.8
Teller	38	5.1	45	5.9
Sub-region	8,778	3.9	9,104	3.9

Source: Colorado Division of Employment, Research and Analysis.

Table 7. Unemployment and percent unemployment, by county, New Mexico sub-region, 1965-1969

County	1965		1966		1967		1968		1969	
	Unemployment	Percent	Unemployment	Percent	Unemployment	Percent	Unemployment	Percent	Unemployment	Percent
Bernalillo	5,400	4.8	5,100	4.5	5,100	4.4	5,000	4.3	5,300	4.4
Catron	36	4.3	30	3.3	32	4.1	28	3.3	28	3.4
Chaves	649	3.8	566	3.4	627	4.1	613	4.0	578	3.6
Colfax	388	7.9	375	7.5	326	6.9	304	6.1	321	6.3
DeBaca	50	4.8	43	4.3	49	5.3	38	4.2	36	4.0
Grant	288	4.1	277	3.9	394	5.1	354	4.2	342	3.8
Guadalupe	169	9.5	141	7.7	129	7.4	124	7.2	121	7.1
Harding	15	2.5	14	2.4	20	3.5	17	3.0	18	3.3
Lincoln	179	5.9	221	7.5	175	6.1	127	4.2	142	4.8
Los Alamos	164	1.9	169	1.9	165	2.0	161	1.9	186	2.1
McKinley	810	6.2	802	6.4	812	6.2	1,031	7.3	907	6.2
Mora	207	14.8	227	19.0	168	12.1	162	14.7	147	13.0
Otero	424	3.8	404	3.5	385	3.2	406	3.1	425	3.2
Rio Arriba	1,112	19.6	1,040	17.6	1,274	20.6	955	15.5	1,016	15.9
Sandoval	260	11.4	314	11.2	288	9.7	289	8.9	278	9.1
San Juan	715	5.1	744	4.8	770	4.7	907	5.4	974	5.4
San Miguel	780	11.3	715	9.6	815	11.8	931	13.4	617	9.3
Santa Fe	962	5.5	920	5.2	978	5.5	850	4.6	752	4.0
Socorro	279	9.1	190	5.8	206	6.4	214	6.4	218	6.2
Taos	719	14.2	612	13.6	499	11.1	451	10.0	402	8.0
Torrance	152	9.0	112	6.0	139	8.3	122	7.1	140	9.0
Valencia	531	7.2	413	5.4	412	5.0	392	4.8	336	4.1
Sub-region	14,289	5.8	13,429	5.4	13,763	5.4	13,476	5.2	13,284	5.0

Source: Labor Information Series, Research and Analysis Section, Employment Security Commission of New Mexico

Table 8. Unemployment and percentage of unemployment, by county, Utah sub-region, 1965-1969

County	1966		1967		1968		1969	
	Unemployment	Percent[1]	Unemployment	Percent[1]	Unemployment	Percent[1]	Unemployment	Percent[1]
Beaver	120	7.4	90	5.5	80	4.7	90	5.7
Carbon	480	8.0	500	8.4	510	8.8	450	7.6
Daggett	20	6.9	20	6.9	30	9.4	20	5.5
Duchesne	160	7.3	210	8.6	230	9.3	240	9.5
Emery	180	9.8	130	7.3	140	7.5	140	8.1
Garfield					230	14.1	220	13.6
Grand	120	4.0	110	3.5	130	4.1	160	5.0
Iron	200	4.3	220	4.6	220	4.7	200	4.1
Juab	120	6.3	120	6.3	130	6.8	110	5.7
Kane	100	11.0	140	14.1	150	14.8	140	13.6
Millard	130	5.1	140	5.4	140	5.3	150	5.6
Piute	40	9.1	40	9.5	40	9.3	47	9.8
San Juan	330	12.2	320	11.8	310	11.4	300	11.0
Sanpete	310	7.7	380	9.0	490	11.5	520	11.9
Sevier	220	5.5	230	5.8	260	6.5	270	7.1
Summit	140	7.2	190	9.9	200	9.8	170	8.2
Uintah	230	5.1	230	5.1	220	5.0	210	4.6
Utah	2,440	6.3	2,470	6.1	2,200	5.3	2,090	4.9
Wasatch	160	8.0	190	9.4	180	8.5	170	7.0
Washington	210	5.3	250	6.3	250	6.1	250	6.0
Wayne	20	3.6	30	5.8	40	7.7	40	7.4
Sub-region	5,730	6.4	6,010	6.6	6,180	6.6	5,987	6.3

1 Computed from "Selected Business Statistics for Utah Counties," Bureau of Economic and Business Research.

Table 9. Percent total and percent seasonal employment, Arizona sub-region, 1969

County	Total Employment, 1969			Agricultural Employment, 1969		
	Employment in highest month	Employment in lowest month	Percent seasonal employment	Employment in highest month	Employment in lowest month	Percent seasonal employment
Apache	9,450	7,450	26.8	300	200	50.0
Coconino	21,150	16,725	26.5	200	200	--
Graham	4,325	3,950	9.5	1,000	850	17.6
Greenlee	4,350	3,750	16.0	300	275	9.1
Mohave	8,275	7,350	12.6	200	200	--
Gila	9,800	8,575	14.3	200	200	--
Navajo	13,250	10,925	21.3	300	250	20.0
Pinal	23,225	20,650	12.5	5,625	4,525	24.3
Yavapai	9,675	8,575	12.8	700	600	16.7
Sub-region	103,500	87,950	17.7	8,825	7,300	20.9

Table 10. Percent total and percent agricultural seasonal employment, Colorado sub-region, 1969

County	Total Employment, 1969			Agricultural Employment, 1969		
	Employment in highest month	Employment in lowest month	Percent seasonal employment	Employment in highest month	Employment in lowest month	Percent seasonal employment
Alamosa	4,900	3,778	29.6	993	375	164.8
Archuleta	1,545	970	59.2	398	163	144.1
Baca	2,522	1,834	37.5	1,331	594	124.0
Bent	2,636	1,978	33.2	1,061	426	149.0
Chaffee	2,982	2,583	15.4	261	114	128.9
Cheyenne	1,109	793	39.8	591	282	109.5
Conejos	2,855	1,671	70.8	1,879	675	178.3
Costilla	1,137	717	58.5	763	272	180.5
Crowley	1,199	719	66.7	822	327	151.3
Custer	504	333	51.3	317	143	121.6
Delta	6,054	4,253	42.3	2,654	1,092	143.0
Dolores	581	458	26.8	218	120	81.6
Douglas	2,045	1,623	26.0	525	231	127.2
Elbert	1,483	1,040	42.5	908	458	98.2
El Paso	69,255	63,410	9.2	2,045	800	155.6
Fremont	6,226	5,186	20.0	902	387	133.0
Gunnison	3,194	2,686	18.9	479	168	185.1
Hinsdale	134	77	74.0	37	17	117.6
Huerfano	2,232	1,725	29.3	743	317	134.3
Kiowa	976	688	41.8	502	210	139.0
Kit Carson	3,345	2,503	33.6	1,598	764	109.1
Lake	3,931	3,554	10.6	28	11	154.5
La Plata	7,040	5,784	21.7	1,189	532	123.4
Las Animas	5,285	4,378	20.7	1,213	487	149.0
Lincoln	2,238	1,624	36.2	952	424	124.5
Mesa	21,208	17,891	18.5	2,912	1,250	132.9

Table 10. continued

County	Total Employment, 1969			Agricultural Employment, 1969		
	Employment in highest month	Employment in lowest month	Percent seasonal employment	Employment in highest month	Employment in lowest month	Percent seasonal employment
Mineral	321	269	19.3	30	8	275.0
Montezuma	5,247	3,938	33.2	1,237	563	119.7
Montrose	7,149	5,365	33.2	2,190	947	131.2
Otero	9,989	7,749	28.9	2,132	738	188.8
Ouray	865	733	18.0	180	76	136.8
Park	889	690	28.8	348	118	194.9
Pitkin	4,970	2,937	69.2	177	76	132.8
Prowers	5,492	4,175	31.5	1,831	738	148.1
Pueblo	43,500	40,320	7.8	1,900	680	179.4
Rio Grande	4,843	3,155	53.5	2,081	635	227.7
Sagauche	1,731	908	90.6	1,200	364	229.6
San Juan	341	221	54.2	2	0	0
San Miguel	775	592	30.9	234	85	175.2
Teller	930	603	54.2	140	58	141.3
Sub-region	243,658	203,911	19.5	39,003	15,725	148.0

Table 11. Percent total and percent agricultural seasonal employment, New Mexico sub-region, 1969

County	Total Employment, 1969			Agricultural Employment, 1969		
	Employment in highest month	Employment in lowest month	Percent seasonal employment	Employment in highest month	Employment in lowest month	Percent seasonal employment
Bernalillo	119,900	110,300	8.7	500	400	25.0
Catron	913	650	40.4	312	256	21.8
Chaves	16,197	14,567	11.1	1,920	1,450	32.4
Colfax	5,967	4,028	48.1	429	390	10.0
De Baca	901	813	10.8	295	250	18.0
Grant	9,821	7,761	26.5	407	336	21.1
Guadalupe	1,704	1,440	18.3	254	208	22.1
Harding	596	464	28.4	295	237	24.4
Lincoln	3,529	2,421	45.7	495	401	23.4
Los Alamos	8,723	8,358	4.3	0	0	0
McKinley	14,748	12,810	15.1	418	312	33.9
Mora	1,138	834	36.4	404	347	16.4
Otero	13,100	12,491	4.8	388	343	13.1
Rio Arriba	6,145	4,735	29.7	586	410	43.4
Sandoval	2,920	2,574	13.4	295	200	47.5
San Juan	17,971	15,886	13.1	680	486	39.9
San Miguel	6,358	5,618	13.1	672	585	14.8
Santa Fe	19,830	17,426	13.7	391	321	21.8
Socorro	3,635	3,059	18.8	360	270	33.3
Taos	5,187	4,068	27.5	337	293	15.0
Torrance	1,534	1,315	16.6	365	250	46.0
Valencia	8,347	7,425	12.4	572	445	28.5
Sub-region	269,164	239,043	12.6	10,365	8,190	21.1

Table 12. Percent total and percent agricultural seasonal employment, Utah sub-region, 1969

County	Total Employment, 1969			Agricultural Employment, 1969		
	Employment in highest month	Employment in lowest month	Percent seasonal employment	Employment of highest month	Employment of lowest month	Percent seasonal employment
Beaver	1,570	1,160	35.3	460	130	253.8
Carbon	5,510	5,190	6.2	190	90	111.1
Daggett	450	210	114.3	40	20	100.0
Duchesne	2,490	1,850	34.6	610	340	79.4
Emery	1,810	1,420	27.5	390	210	85.7
Garfield	1,770	1,070	65.4	220	130	69.2
Grand	3,170	2,810	12.8	80	40	100.0
Iron	5,010	4,270	17.3	570	200	185.0
Juab	2,010	1,590	26.4	230	120	91.7
Kane	1,160	690	68.1	120	60	100.0
Millard	3,080	2,440	26.2	780	370	110.8
Piute	480	370	29.7	150	90	66.7
San Juan	2,560	2,220	15.3	400	210	90.5
Sanpete	4,260	3,230	31.9	950	510	86.3
Sevier	3,950	3,260	21.2	660	340	94.1
Summit	1,890	1,720	9.9	340	170	100.0
Uintah	4,800	3,820	25.6	590	300	96.7
Utah	43,700	38,790	12.6	2,070	820	152.4
Wasatch	2,390	1,830	30.6	270	140	92.8
Washington	4,250	3,470	22.5	670	270	148.1
Wayne	570	420	35.7	180	100	80.0
Sub-region	96,880	81,830	18.4	9,970	4,660	113.9

The basic premise is that the lowest monthly employment level represents base employment in the county. Monthly labor reports by sector, if needed, are available from the Employment Security Commission offices.

The percentage of total seasonal employment for 1969 did not differ significantly among three of the four sub-regions. The percentages of total seasonal employment in Arizona (17.7 percent), Colorado (19.5 percent), and Utah (18.4 percent) sub-regions were fairly consistent, even though the base employment levels differed considerably. New Mexico's seasonal employment was relatively low, 12.6 percent. Over 16 percent of the Four Corners Region employment was considered seasonal in 1969. Three of nine Arizona counties, 36 of 40 counties in Colorado, half of the New Mexico counties, and 16 of 21 counties in Utah had total seasonal employment rates in excess of that computed for the region. A number of Colorado counties have extremely high seasonal employment percentages, ranging up to 90.6 percent of base employment. Daggett County, Utah, with a small employment base, has the highest seasonal employment rate--114.3 percent of base employment.

Arizona (20.9) and New Mexico (21.1) sub-region agricultural seasonal employment percentages are comparable; Colorado (148.0) and Utah (113.9) rates may also be considered comparable but are considerably higher than those computed for the two southern sub-regions. As computed from the tables, 9.8 percent of Arizona sub-region total seasonal employment may be attributed to seasonal employment in agriculture, 58.6 percent of Colorado's, 7.2 percent of New Mexico's, and 35.3 percent of Utah's sub-regions total seasonal employment may be attributed to seasonality of agricultural production.

Seasonal agricultural employment in the region was approximately 90 percent. Thirty-eight of 40 Colorado counties had agricultural seasonal employment rates in excess of the regional rate, 16 of 21 Utah counties had rates above 90 percent. None of the counties in Arizona or New Mexico had seasonal agricultural employment rates approaching the regional percentage.

It is, of course, difficult to speculate on the characteristics of the seasonally employed. Many may be migrant workers following particular harvesting patterns. If many are local residents, Utah and Colorado have many counties which are likely targets for investments intended to provide off-season employment opportunities. Evaluation of the goal--provision of year-around employment opportunities--must await more in depth study of the characteristics of the seasonal labor force in the area under consideration.

UNDEREMPLOYMENT

Estimates of 1960 male and female underemployment for all counties in the United States have been generated by Kampe and Lindamood.[1] Data for their study were taken from a 25-percent sample of the 1960 Census of Population. Presumably this analysis will be repeated for 1970 when census data are available. The 1960 estimates of underemployment and man-years of

1 Kampe, R. E. and W. A. Lindamood, "Underemployment Estimates by County, United States, 1960", Report No. 166, ERS-USDA, Washington, D. C.

economically unutilized labor for Four Corners counties are presented to allow an additional reference to employment situations within the development region. Collation of these data with the information on 1969 seasonal employment may indicate that employment conditions in many areas have remained stable over the past decade.

> The procedure used in measuring county underemployment involved comparing the actual median income of a county against a derived county standard. The county standard was the national median income adjusted to reflect the earning capacity of the county labor force if county incomes were the same as for the national labor force with similar earning characteristics.[2]

The national median income was adjusted with the following labor characteristics:

1. Age - color mix
2. Education status
3. Labor force status
4. Employment factor (employment status)

Man-years of economically unutilized labor, indicated in tables 9 through 12, were derived by multiplying the rate of underemployment by the number of employed civilians in the labor force.

The percentage of male underemployment within the Four Corners Region ranged from 32.9 in Hinsdale County, Colorado, to a high of 47.0 percent in Costilla County, Colorado; the percentage of female underemployment ranged from a low of -75.9 in Hinsdale County, Colorado, to a high of 56.9 in Millard County, Utah. (Tables 13-16) Ten counties in the region (three in Arizona, one in Colorado, four in New Mexico, two in Utah), in 1960, had negative total man-years of economically unutilized labor. The remaining 82 counties had varying levels, from 39 to 8,837 man-years of unutilized labor.

As was the case for seasonality information, information on underemployment may be useful in evaluating investment possibilities and in specifying target development areas.

> If a low income area is also an area of underemployment, expanding demand for labor through increased business activity can most likely be met by the local labor force, because it has been functioning at less than capacity with respect to age, education, and other attributes.[3]

These data, although somewhat outdated, may prove useful in judging this possibility.

Some salient information on labor resources and labor availability in the Four Corners Development Region is summarized in this report. These data should prove useful in subsequent consideration of investment opportunities. Two notes of caution are in order. Past employment characteristics, evaluated

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2 Ibid., p. i.

3 Ibid., p. 1

Table 13. Percentage of underemployment and man-years of economically unutilized labor, Arizona, 1960

County	Percentage of Underemployment[1]		Man-years of Economically Unutilized Labor		
	Male	Female	Male	Female	Total
Apache	-30.3	-21.1	-1,252	- 377	-1,629
Coconino	- 3.6	32.6	- 342	1,262	920
Gila	- 9.9	21.2	- 562	434	- 128
Graham	13.4	33.2	398	396	794
Greenlee	- 4.6	30.9	- 124	245	121
Mohave	8.9	18.7	175	168	343
Navajo	-27.1	3.3	-1,670	83	-1,587
Pinal	8.7	29.6	1,163	1,261	2,424
Yavapai	9.5	27.1	656	852	1,508

1 For additional information on underemployment estimates, see Williams Glasgow, "Developing Estimates of Economic Underemployment for the Rural Labor Force of Seven Southern States," American Journal of Agricultural Economics, Vol. 50, Number 5, December 1968.

Source: Kampe, R. E. and W. A. Lindamood, "Underemployment Estimates by County, United States, 1960," Report No. 166, E.R.S., U.S.D.A., Washington, D. C.

Table 14. Percentage of underemployment and man-years of economically unutilized labor, Colorado, 1960

County	Percentage Underemployment[1]		Man-years Economically Unutilized Labor		
	Male	Female	Male	Female	Total
Alamosa	22.9	36.8	535	409	944
Archuleta	26.8	24.9	128	46	174
Baca	25.4	16.9	433	70	503
Bent	31.2	17.3	509	109	618
Chaffee	4.4	31.4	83	291	374
Cheyenne	21.7	36.0	161	166	327
Conejos	41.2	- 4.4	681	- 22	659
Costilla	47.0	-65.0	313	- 91	222
Crowley	26.1	3.4	240	9	249
Custer	43.0	-22.3	124	- 20	104
Delta	34.8	17.1	1,312	240	1,552
Dolores	- 0.3	35.5	- 1	74	73
Douglas	12.4	17.5	161	59	220
Elbert	40.4	35.3	440	111	551
El Paso	11.2	20.1	2,939	3,331	6,270
Fremont	27.1	- 3.7	1,110	- 61	1,049
Gunnison	28.2	48.3	410	323	733
Hinsdale	-32.9	-75.9	- 23	- 11	- 34
Huerfano	15.0	-16.6	219	- 110	109
Kiowa	18.3	15.7	125	38	163
Kit Carson	22.3	24.0	419	157	576
Lake	8.8	42.6	178	264	442
La Plata	17.2	21.4	791	424	1,215
Las Animas	22.0	-12.7	906	- 176	730
Lincoln	24.1	34.0	368	171	539
Mesa	14.1	26.1	1,745	1,416	3,161
Mineral	27.3	14.8	34	5	39
Montezuma	11.6	15.7	362	180	542
Montrose	26.4	26.9	1,222	420	1,642
Otero	15.0	16.3	835	393	1,228
Ouray	18.3	41.9	81	55	136
Park	25.6	40.3	136	81	217
Pitkin	30.7	25.1	210	89	299
Prowers	25.5	18.4	868	265	1,133
Pueblo	- 0.8	8.9	- 208	1,031	823
Rio Grande	35.3	24.8	932	239	1,171
Saguache	43.7	39.9	477	149	626
San Juan	33.2	-10.7	68	- 5	63
San Miguel	2.3	19.8	19	37	56
Teller	26.2	31.7	191	100	291

1 For additional information on underdevelopment estimates, see Williams and Glasgow, "Developing Estimates of Economic Underemployment for the Rural Labor Force of Seven Southern States," American Journal of Agricultural Economics, Vol. 50, Number 5, December 1968.

Source: See Table 13

Table 15. Percentage of underemployment and man-years of economically unutilized labor, New Mexico, 1960

County	Percentage Underemployment[1]		Man-years Economically Unutilized Labor		
	Male	Female	Male	Female	Total
Bernalillo	6.6	17.4	3,828	5,009	8,837
Catron	22.0	38.0	176	51	227
Chaves	13.8	15.6	1,523	806	2,329
Colfax	18.9	32.4	590	385	975
De Baca	38.7	46.7	294	137	431
Grant	18.2	21.6	799	383	1,182
Guadalupe	9.5	23.1	96	80	176
Harding	36.2	4.6	156	5	161
Lincoln	34.4	38.2	666	293	959
Los Alamos	- 0.4	42.8	- 14	658	644
McKinley	-19.7	-17.9	-1,231	- 485	-1,716
Mora	32.3	-15.2	233	- 30	203
Otero	5.0	31.1	368	1,047	1,415
Rio Arriba	6.8	-25.7	219	- 295	- 76
Sandoval	13.6	2.6	264	15	279
San Juan	-14.4	33.2	-1,618	1,223	- 395
San Miguel	43.4	13.9	1,567	238	1,805
Santa Fe	18.1	2.5	1,637	129	1,766
Socorro	30.4	23.8	644	150	794
Taos	37.7	17.9	741	154	895
Torrance	18.2	25.9	244	112	356
Valencia	- 8.6	29.8	- 754	661	- 93

1 For additional information on underdevelopment estimates, see Williams and Glasgow, "Developing Estimates of Economic Underemployment for the Rural Labor Force of Seven Southern States," American Journal of Agricultural Economics, Vol. 50, Number 5, December 1968.

Source: See Table 13

Table 16. Percentage of underemployment and man-years of economically unutilized labor, Utah, 1960

County	Percentage Underemployment[1]		Man-years Economically Unutilized Labor		
	Male	Female	Male	Female	Total
Beaver	19.8	48.4	214	165	379
Carbon	-13.6	40.7	- 661	598	- 63
Daggett	10.6	38.0	35	32	67
Duchesne	22.2	43.4	353	223	576
Emery	28.7	45.4	387	187	574
Garfield	36.2	55.0	309	182	491
Grand	4.8	49.3	86	251	337
Iron	20.6	47.7	584	446	1,030
Juab	29.4	41.8	310	150	460
Kane	17.0	54.6	101	138	239
Millard	38.5	56.9	722	374	1,096
Piute	44.1	53.2	165	54	219
San Juan	-15.1	43.2	- 287	248	- 39
Sanpete	36.8	35.7	961	272	1,233
Sevier	27.5	43.2	733	385	1,118
Summit	13.4	45.5	186	186	372
Uintah	12.4	44.0	333	355	688
Utah	10.4	45.0	2,450	4,168	6,618
Wasatch	21.7	45.3	290	169	459
Washington	24.3	48.9	548	413	961
Wayne	34.1	54.6	131	51	182

1 For additional information on underdevelopment estimates, see Williams and Glasgow, "Developing Estimates of Economic Underemployment for the Rural Labor Force of Seven Southern States," American Journal of Agricultural Economics, Vol. 50, Number 5, December 1968.

Source: See Table 13

to identify target areas, do not include the possibility of labor mobility. Investments leading to a substantial number of employment opportunities will result in immigration of workers; most management personnel probably would be imported. Secondly, private investment normally flows to areas of high productivity, but many areas with serious employment problems cannot provide a highly skilled labor force. In this case, vocational training may need to become a consideration in formulating investment strategies.

Appendix Tables A

Table 17. Employment by Industry, by County and State, Four Corners Economic Development Region, Estimates for 1960, 1964, 1967, 1970 and 1975.

State, County, Year	Non-Agricultural Employment											Agriculture	Total
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.	Employment	Employment
ARIZONA													
Apache													
1960	200	600	1,000	300	100	400	1	800	800	400	400	5,001	300	5,301
1964	200	250	400	200	90	360	50	1,500	1,430	720	300	6,000	200	6,200
1967	75	110	600	190	75	300	40	1,470	1,575	660	225	5,120	275	5,395
1970	61	80	517	148	67	271	53	1,956	2,096	878	178	6,309	232	6,541
1975	43	47	404	97	57	229	85	3,151	3,376	1,414	121	9,029	175	9,204
Coconino														
1960	300	2,400	1,100	500	510	1,990	300	1,300	2,490	1,310	1,500	13,700	200	13,900
1964	100	1,400	1,200	700	540	2,110	300	1,450	2,070	1,080	1,500	12,450	200	12,650
1967	100	850	1,500	800	740	2,910	300	2,300	2,490	1,310	1,650	14,950	200	15,150
1970	72	619	1,656	1,003	819	3,228	300	2,710	2,325	1,219	1,684	15,841	200	15,841
1975	43	365	1,954	1,465	970	3,840	300	3,365	2,074	1,082	1,742	17,604	200	17,604
Gila														
1960	2,100	400	700	300	220	880	100	500	340	760	800	7,100	200	7,300
1964	2,300	150	750	150	230	920	100	550	340	760	800	7,050	25	7,075
1967	1,800	200	600	200	230	920	100	600	420	930	700	6,700	200	6,900
1970	1,803	145	596	145	236	944	100	646	439	971	680	6,710	145	6,855
1975	1,808	86	589	86	246	986	100	732	474	1,044	648	6,804	88	6,890
Graham														
1960	1	200	200	200	140	560	100	400	80	520	700	3,101	1,200	4,301
1964	25	100	250	100	140	560	100	350	115	735	700	3,175	1,000	4,175
1967	1	100	200	100	130	520	100	350	110	690	550	2,851	900	3,751
1970	1	72	217	72	127	511	100	323	133	835	522	2,921	790	3,711
1975	2	43	250	43	124	498	100	283	190	1,148	479	3,164	636	3,800
Greenlee														
1960	1,800	100	200	100	80	320	1	200	30	370	200	3,401	200	3,601
1964	1,700	300	200	50	80	320	30	150	50	500	300	3,700	100	3,800
1967	1,200	50	50	50	70	280	50	200	50	550	250	2,800	300	3,100
1970	1,077	66	37	36	68	272	66	179	66	670	305	2,848	257	3,105
1975	900	107	23	21	64	259	107	150	107	932	428	3,103	199	3,302
Mohave														
1960	100	300	200	200	120	480	1	300	200	400	500	2,801	200	3,001
1964	300	750	350	200	180	720	50	450	280	570	800	4,650	200	4,850
1967	500	450	600	250	220	880	250	850	425	875	1,000	6,300	200	6,500
1970	665	598	798	262	291	1,166	332	1,131	565	1,164	1,331	8,309	200	8,509
1975	1,071	964	1,286	284	466	1,866	535	1,822	911	1,875	2,143	13,228	200	13,428
Navajo														
1960	100	400	600	1,000	280	1,120	100	1,000	760	640	1,000	7,000	200	7,200
1964	50	200	900	1,250	370	1,430	150	1,050	1,310	1,090	1,000	8,800	200	9,000
1967	50	250	1,000	1,050	420	1,630	200	1,100	1,580	1,320	1,000	9,600	300	9,900
1970	36	182	1,299	1,154	508	1,936	266	1,143	2,102	1,756	1,000	11,387	327	11,714
1975	21	107	2,010	1,352	699	2,579	428	1,219	3,386	2,829	1,000	15,636	379	16,015
Pinal														
1960	4,700	800	500	700	360	1,440	300	1,100	690	1,910	2,100	14,600	4,000	18,600
1964	4,250	350	850	550	380	1,520	350	1,150	900	2,500	2,300	15,100	3,700	18,800
1967	2,750	350	1,300	650	400	1,600	400	1,150	1,000	2,800	2,300	14,700	4,700	19,400
1970	2,363	255	1,730	584	417	1,670	450	1,180	1,196	3,362	2,426	15,638	4,728	20,366
1975	1,835	150	2,786	490	448	1,793	550	1,233	1,612	4,561	2,653	18,117	4,775	22,892
Yavapai														
1960	800	600	900	600	260	1,040	200	900	900	1,100	1,800	9,100	700	9,800
1964	1,100	350	500	450	230	920	250	1,200	720	880	1,900	8,500	400	8,900
1967	900	350	700	500	250	1,000	250	1,200	880	1,070	1,800	8,900	800	9,700
1970	1,041	255	534	432	236	947	285	1,422	806	979	1,836	8,778	673	9,451
1975	1,328	150	341	338	216	865	355	1,887	696	844	1,900	8,926	506	9,432
ARIZONA: Total for Counties In Region														
1960	10,101	5,800	5,400	3,900	2,070	8,230	1,103	6,500	6,290	7,410	9,000	65,804	7,200	73,004
1964	10,025	3,850	5,900	3,650	2,240	8,860	1,400	7,850	7,215	8,835	9,600	69,425	6,025	75,450
1967	7,376	2,710	6,550	3,790	2,535	10,040	1,690	9,220	8,530	10,205	9,475	72,121	7,875	79,996
1970	7,122	2,276	7,388	3,841	2,773	10,948	1,954	10,695	9,734	11,838	9,966	78,540	7,555	86,095
1975	7,055	2,023	9,646	4,180	3,295	12,919	2,562	14,045	12,829	15,734	11,118	95,413	7,159	102,572
ARIZONA: State Total														
1960	15,402	33,000	50,400	24,500	16,030	64,070	16,203	49,600	24,880	44,220	56,000	394,305	42,400	436,705
1964	15,275	27,500	58,200	24,600	18,440	73,660	20,800	63,700	30,315	55,885	60,700	449,075	40,025	489,100
1967	13,201	23,260	78,300	26,240	20,435	81,800	22,990	72,670	36,420	66,965	63,125	507,406	37,875	545,281
1970	13,467	20,882	92,864	26,899	22,782	91,189	27,203	86,758	42,884	80,264	69,582	574,779	36,470	611,249
1975	14,527	17,975	126,179	28,339	27,460	109,876	36,182	117,326	57,338	109,438	78,081	722,746	34,599	757,345

Table 17. continued.

State, County, Year	Non-Agricultural Employment												Agriculture Employment	Total Employment
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.		
COLORADO														
Alamosa														
1962	1	80	94	243	236	605	86	311	150	271	19	2,096	440	2,536
1964	1	84	73	167	61	758	98	295	80	380	33	2,030	500	2,530
1967	1	54	95	287	113	831	219	348	60	430	20	2,458	480	2,938
1970	1	50	86	259	82	968	282	349	43	538	25	2,688	513	3,201
1975	1	45	74	219	48	1,248	430	352	25	785	36	3,268	573	3,841
Archuleta														
1962	1	2	120	20	5	83	7	23	34	85	1	381	170	551
1964	5	3	280	9	17	69	13	19	52	90	1	538	185	723
1967	17	90	370	17	5	90	12	29	60	95	1	786	200	986
1970	22	119	492	12	6	80	15	27	79	102	1	961	223	1,184
1975	36	192	793	70	10	67	25	24	128	116	1	1,408	269	1,673
Baca														
1962	40	21	4	65	68	291	16	47	40	250	15	857	900	1,757
1964	32	29	2	20	59	266	26	43	50	240	8	775	940	1,715
1967	40	65	2	26	59	247	27	93	50	225	15	849	950	1,799
1970	36	86	1	18	54	230	35	104	57	216	11	855	976	1,831
1975	32	139	0	11	47	205	57	127	71	203	8	904	1,023	1,927
Bent														
1962	4	24	58	18	24	249	27	37	120	160	15	736	630	1,366
1964	4	25	32	23	6	224	18	32	550	190	16	1,120	615	1,735
1967	1	26	41	48	8	209	21	53	600	230	2	1,239	590	1,829
1970	0	26	30	63	5	193	17	54	798	265	1	1,458	576	2,034
1975	0	28	18	102	3	170	12	56	1,286	336	0	2,016	554	2,570
Chaffee														
1962	55	25	57	88	40	406	49	276	270	190	25	1,481	210	1,691
1964	15	32	65	121	53	425	58	465	95	220	4	1,551	200	1,751
1967	17	39	45	157	96	448	58	266	100	260	16	1,502	175	1,677
1970	12	47	45	200	127	465	63	323	72	293	11	1,662	165	1,827
1975	7	64	45	300	205	496	72	446	43	360	6	2,049	150	2,199
Cheyenne														
1962	1	9	2	13	28	60	16	48	35	135	1	350	330	680
1964	1	4	2	4	17	71	19	56	26	155	4	359	320	679
1967	1	5	1	10	10	82	17	63	30	185	2	406	305	711
1970	1	3	0	7	7	93	18	70	25	208	2	440	296	736
1975	1	2	0	4	4	116	20	85	20	254	4	515	282	797
Conejos														
1962	20	3	82	7	120	151	15	41	30	235	4	708	800	1,508
1964	40	11	12	17	135	120	15	61	34	260	1	706	760	1,466
1967	80	6	33	9	115	123	15	140	37	290	2	850	730	1,580
1970	106	7	24	11	119	108	15	186	40	315	1	936	702	1,638
1975	171	12	14	19	126	87	15	300	47	361	0	1,156	658	1,814
Costilla														
1962	5	1	1	1	4	29	1	9	60	120	1	232	255	487
1964	5	1	55	1	4	50	2	10	24	140	1	293	250	543
1967	5	2	1	1	7	32	2	13	26	165	7	261	240	501
1970	5	2	1	1	7	40	2	14	18	187	9	290	235	525
1975	5	3	2	1	9	59	4	17	11	230	15	359	227	586
Crowley														
1962	1	12	38	25	220	108	17	10	35	115	5	586	360	946
1964	1	14	23	25	9	65	11	15	19	130	2	314	340	654
1967	1	16	40	20	17	54	13	14	22	153	2	354	310	664
1970	1	18	33	19	12	39	10	17	16	173	1	342	293	635
1975	1	22	25	17	7	23	7	25	9	207	0	348	268	616
Custer														
1962	4	2	2	1	1	10	1	2	28	90	1	142	125	267
1964	1	2	1	1	2	21	1	2	14	110	2	157	120	277
1967	1	2	2	1	2	14	1	2	16	135	4	180	115	295
1970	0	2	1	1	2	18	1	2	11	158	5	205	111	316
1975	0	2	1	1	4	30	1	2	6	208	8	265	105	370
Delta														
1962	49	112	118	90	113	495	68	226	50	441	17	1,779	1,400	3,179
1964	50	112	183	81	62	508	72	233	100	500	4	1,905	1,350	3,255
1967	55	59	285	112	109	527	103	257	110	550	1	2,168	1,300	3,468
1970	56	51	379	112	87	539	115	267	146	604	0	2,361	1,262	3,623
1975	59	41	610	114	59	560	138	285	235	707	0	2,815	1,201	4,016

Table 17 continued.

State, County, Year	Non-Agricultural Employment												Agriculture	Total
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.	Employment	Employment
COLORADO (continued)														
Dolores														
1962	7	4	5	40	4	52	9	5	5	150	16	297	90	387
1964	80	1	40	45	13	33	7	4	5	150	15	393	85	478
1967	80	1	40	50	15	176	175	2	10	150	20	719	80	799
1970	106	0	53	58	19	195	232	1	12	150	20	852	73	925
1975	171	0	85	75	32	234	375	0	17	150	21	1,165	64	1,229
Douglas														
1962	45	72	225	11	5	122	4	33	15	202	12	746	265	1,011
1964	46	80	380	15	64	180	15	44	31	230	7	1,092	255	1,347
1967	40	89	225	16	100	240	17	78	34	270	4	1,113	240	1,353
1970	39	96	275	19	133	319	22	103	45	301	2	1,360	231	1,591
1975	38	111	386	27	214	514	36	167	72	362	1	1,933	218	2,151
Elbert														
1962	1	4	40	19	16	74	9	16	15	169	4	367	600	967
1964	1	7	44	16	12	56	12	24	38	195	1	406	575	981
1967	1	21	50	14	16	39	13	20	40	231	4	449	540	989
1970	1	27	54	12	14	30	15	24	53	260	2	498	519	1,017
1975	1	45	62	9	12	20	21	34	85	318	1	613	487	1,100
El Paso														
1962	125	2,928	4,483	1,885	1,186	6,879	1,922	6,977	5,430	4,250	240	36,285	1,250	37,535
1964	118	3,338	3,865	2,199	1,436	7,759	1,762	7,641	5,550	4,410	100	38,178	1,180	39,358
1967	119	3,201	6,393	2,656	1,336	9,128	2,258	9,799	5,700	4,650	109	45,549	1,080	46,629
1970	115	3,427	6,561	3,028	1,472	10,417	2,264	10,907	5,807	4,806	79	48,888	1,024	49,912
1975	109	3,841	6,850	3,769	1,733	12,524	2,274	13,039	5,989	5,079	46	55,260	937	56,197
Fremont														
1962	255	91	311	179	75	477	100	409	500	900	30	3,327	350	3,677
1964	302	126	473	166	79	542	106	444	530	1,000	12	3,780	340	4,120
1967	256	108	465	99	72	620	123	577	570	1,300	40	4,230	325	4,555
1970	273	126	593	84	72	688	131	640	599	1,463	31	4,705	316	5,021
1975	304	165	892	65	74	818	146	763	651	1,783	20	5,685	302	5,987
Gunnison														
1962	189	39	31	58	10	247	38	113	120	200	22	1,067	260	1,327
1964	204	321	46	49	14	364	51	172	137	215	20	1,593	250	1,843
1967	237	59	42	68	25	385	54	236	150	240	20	1,516	235	1,751
1970	256	78	52	66	33	489	65	314	165	256	18	1,796	226	2,022
1975	291	126	74	63	53	732	88	505	194	286	17	2,433	213	2,646
Hinsdale														
1962	15	6	1	3	1	2	4	2	1	20	15	70	30	100
1964	15	10	1	1	1	1	1	4	4	16	15	69	26	95
1967	15	13	1	2	2	1	1	4	4	10	15	68	23	91
1970	15	17	1	1	2	0	0	5	5	7	15	71	19	90
1975	15	27	1	0	3	0	0	8	8	4	15	86	13	99
Huerfano														
1962	39	19	55	30	52	226	26	83	90	300	7	927	370	1,297
1964	43	13	46	25	45	233	25	127	95	350	2	1,004	350	1,354
1967	33	4	50	23	45	263	28	140	110	400	4	1,100	320	1,420
1970	33	2	45	20	41	274	28	183	117	450	2	1,201	303	1,504
1975	33	1	39	16	35	295	28	289	130	550	1	1,422	278	1,700
Kiowa														
1962	1	4	2	27	31	97	11	14	10	130	1	328	350	678
1964	40	4	2	26	15	103	17	14	19	150	1	391	335	726
1967	15	1	2	45	16	85	17	9	21	180	5	396	310	706
1970	19	0	2	49	11	84	21	8	27	203	6	437	297	734
1975	32	0	2	58	6	83	33	7	45	250	10	531	276	807
Kit Carson														
1962	2	63	27	56	55	257	23	128	20	268	23	922	925	1,847
1964	1	42	34	38	74	320	40	94	51	310	4	1,008	900	1,908
1967	1	63	24	29	114	346	54	153	55	360	7	1,206	870	2,076
1970	0	54	25	21	149	400	71	142	73	405	5	1,350	849	2,199
1975	0	42	28	13	232	510	115	125	117	492	3	1,684	817	2,501
Lake														
1962	2,138	46	20	104	11	356	42	185	68	188	9	3,167	35	3,202
1964	2,118	36	21	78	21	304	41	190	48	218	9	3,084	33	3,117
1967	2,626	51	17	127	20	399	52	218	52	275	1	3,838	30	3,868
1970	2,735	47	16	119	26	385	53	228	43	315	0	3,973	28	4,001
1975	2,928	42	16	107	42	364	57	245	31	396	0	4,235	25	4,260

Table 17. continued.

State, County, Year	Non-Agricultural Employment												Agriculture	Total
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.	Employment	Employment
COLORADO (continued)														
La Plata														
1962	260	100	280	445	170	780	120	590	340	580	210	3,875	670	4,545
1964	222	125	277	432	146	716	157	635	320	630	5	3,665	730	4,395
1967	560	100	280	300	140	860	160	910	290	680	50	4,330	800	5,130
1970	638	118	277	261	117	831	212	1,096	264	758	36	4,615	899	5,514
1975	796	158	274	207	88	786	342	1,494	226	911	21	5,307	1,094	6,401
Las Animas														
1962	31	55	114	87	82	793	104	313	60	750	18	2,407	670	3,077
1964	24	48	131	64	76	613	103	312	108	820	1	2,300	640	2,940
1967	380	58	269	69	56	611	102	474	130	900	1	3,050	600	3,650
1970	505	55	341	58	50	524	101	518	173	967	0	3,298	575	3,873
1975	814	52	508	44	41	407	99	601	278	1,092	0	3,941	538	4,479
Lincoln														
1962	1	45	5	93	78	245	25	69	30	180	17	788	710	1,498
1964	1	52	10	108	75	277	28	51	49	210	2	863	680	1,543
1967	1	25	27	127	47	339	28	136	60	230	5	1,025	635	1,660
1970	1	23	35	143	41	380	29	142	79	256	3	1,138	610	1,748
1975	1	20	57	176	33	461	33	152	128	308	2	1,377	570	1,947
Mesa														
1962	1,116	644	887	968	957	2,170	467	1,745	1,000	1,579	30	11,563	1,900	13,463
1964	689	681	879	1,145	1,004	2,367	501	1,842	743	1,700	56	11,607	1,860	13,467
1967	644	594	1,460	1,029	965	2,747	513	2,309	760	1,900	57	12,978	1,800	14,778
1970	478	596	1,622	1,110	984	2,985	537	2,502	641	2,032	75	13,566	1,765	15,331
1975	290	600	1,934	1,261	1,017	3,429	580	2,862	483	2,273	122	14,856	1,708	16,564
Mineral														
1962	82	1	1	1	1	11	1	4	11	27	4	144	27	171
1964	79	2	18	2	1	1	1	8	9	30	1	152	25	177
1967	40	2	1	1	1	20	1	33	10	35	1	145	22	167
1970	33	2	1	1	1	14	1	43	9	38	0	148	20	168
1975	25	4	2	2	1	8	1	70	7	45	0	169	18	187
Montezuma														
1962	34	86	146	167	84	586	75	357	150	414	20	2,119	653	2,772
1964	150	118	207	134	131	639	84	370	122	440	25	2,420	600	3,020
1967	191	78	190	156	111	619	99	424	100	460	20	2,448	525	2,973
1970	254	97	252	130	147	671	117	458	75	496	23	2,726	461	3,187
1975	409	140	407	95	237	769	155	522	47	565	31	3,383	372	3,755
Montrose														
1962	920	94	126	408	176	686	70	275	330	807	37	3,929	1,390	5,319
1964	691	113	230	356	111	742	84	247	353	870	22	3,819	1,330	5,149
1967	709	119	174	425	109	802	95	335	380	960	15	4,123	1,250	5,373
1970	602	134	231	407	82	854	108	336	401	1,024	10	4,195	1,201	5,396
1975	459	163	372	380	52	948	135	337	440	1,142	6	4,441	1,125	5,566
Otero														
1962	1	162	675	369	352	1,121	136	580	150	760	11	4,319	1,125	5,444
1964	2	182	636	327	262	1,105	176	641	126	840	25	4,322	1,080	5,402
1967	40	145	756	370	316	1,116	220	765	140	950	7	4,825	1,020	5,845
1970	53	148	757	353	276	1,107	268	842	129	1,034	8	4,982	983	5,965
1975	85	153	760	328	221	1,094	374	990	113	1,192	13	5,330	925	6,255
Ouray														
1962	250	2	2	20	1	22	13	1	23	63	5	402	127	529
1964	43	1	17	7	1	32	9	5	9	67	1	192	120	312
1967	439	1	17	7	1	38	14	8	11	75	1	612	105	717
1970	320	0	22	5	1	49	12	10	8	79	0	510	98	608
1975	188	0	36	3	1	75	10	17	4	88	0	426	89	515
Park														
1962	4	8	4	14	7	62	8	25	25	100	2	259	175	434
1964	7	6	3	6	21	30	7	30	29	115	1	255	165	420
1967	9	45	2	40	17	43	9	38	35	140	2	380	155	535
1970	11	59	1	38	22	31	8	44	39	158	1	419	147	566
1975	19	96	1	35	36	18	8	57	49	195	1	519	136	655
Pitkin														
1962	250	75	32	56	1	463	29	493	65	120	16	1,600	100	1,700
1964	79	79	35	50	15	552	44	750	71	130	6	1,811	95	1,906
1967	50	337	64	165	15	726	115	1,145	80	145	4	2,846	90	2,936
1970	36	448	76	201	19	854	153	1,523	86	155	2	3,560	86	3,646
1975	21	722	104	282	32	1,119	246	2,454	98	175	1	5,259	80	5,339

Table17, continued

State, County, Year	Non-Agricultural Employment												Agriculture Employment	Total Employment
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.		
COLORADO (continued)														
Prowers														
1962	5	114	172	126	180	651	96	271	58	442	30	2,145	970	3,115
1964	1	123	245	191	131	768	103	305	64	500	6	2,437	910	3,347
1967	50	108	204	274	145	748	131	422	72	580	4	2,738	820	3,558
1970	54	109	241	364	122	820	143	485	78	643	2	3,060	772	3,840
1975	62	113	321	587	93	955	168	612	89	766	1	3,773	698	4,471
Pueblo														
1962	40	1,004	10,111	1,500	1,239	4,703	986	3,280	3,650	18,500	105	45,118	1,200	46,318
1964	13	1,177	8,531	1,335	1,522	4,709	1,096	3,650	1,900	20,500	130	46,563	1,100	47,663
1967	20	1,095	9,002	1,373	1,359	5,233	1,210	4,674	4,260	23,500	25	51,751	950	52,701
1970	14	1,184	8,240	1,289	1,498	5,357	1,315	5,249	4,514	25,707	20	54,393	874	55,267
1975	8	1,349	7,112	1,162	1,762	5,570	1,511	6,372	4,972	29,858	14	59,695	762	60,457
Rio Grande														
1962	1	68	224	80	357	442	52	248	160	290	709	2,631	885	3,516
1964	1	80	340	109	307	462	48	250	110	340	10	2,057	850	2,907
1967	2	76	207	129	412	475	51	309	120	400	32	2,213	810	3,023
1970	2	82	239	160	401	490	49	324	98	454	23	2,328	782	3,110
1975	3	95	306	230	385	517	46	353	70	563	13	2,585	739	3,324
Saguache														
1962	5	20	32	97	11	164	32	100	22	198	21	702	580	1,282
1964	7	4	28	8	95	75	17	13	24	210	2	483	535	1,018
1967	9	4	5	9	123	65	20	12	27	235	15	524	490	1,014
1970	11	2	3	6	163	47	14	8	29	249	10	548	458	1,006
1975	17	1	2	3	203	27	8	5	33	274	6	645	410	1,055
San Juan														
1962	180	4	2	6	1	16	2	17	4	63	1	296	1	297
1964	1	5	2	6	1	46	2	11	4	70	1	149	1	150
1967	25	7	5	4	5	20	2	11	4	75	1	159	1	160
1970	18	9	6	3	6	26	2	8	4	85	1	171	1	172
1975	10	15	10	2	10	42	2	4	4	106	1	211	1	212
San Miguel														
1962	256	5	16	24	17	54	8	13	25	102	1	519	80	599
1964	256	4	7	6	5	60	17	10	21	97	2	485	70	555
1967	170	5	4	15	5	52	17	22	18	94	2	404	55	459
1970	150	4	2	10	3	55	22	21	14	88	2	378	44	422
1975	123	3	1	6	2	62	36	20	9	79	4	350	31	381
Teller														
1962	38	11	30	26	6	62	10	57	25	125	5	395	56	451
1964	4	19	11	15	4	61	7	30	27	140	2	320	54	374
1967	9	37	10	18	4	81	12	43	30	165	1	410	50	460
1970	6	49	7	13	3	85	10	31	32	182	0	423	48	471
1975	3	79	4	8	2	93	9	19	35	216	0	473	45	518
COLORADO: Total For Counties in Region														
1960	6,472	6,065	18,613	7,472	6,025	24,309	4,725	17,433	13,254	33,969	1,725	140,062	21,464	161,526
1964	5,393	7,114	17,267	7,428	6,107	25,727	4,892	19,149	13,641	37,388	605	144,691	20,754	165,445
1967	6,990	6,811	20,901	8,328	6,133	29,134	6,079	24,584	14,384	42,310	544	166,198	19,626	185,824
1970	7,028	7,404	21,120	8,772	6,437	31,253	6,563	27,548	14,958	46,049	484	177,621	19,060	196,681
1975	7,557	8,656	22,150	9,866	7,238	35,543	7,614	33,593	16,362	53,138	460	202,184	18,209	220,393
COLORADO: State Total														
1960	12,690	32,766	90,360	40,495	34,649	93,214	27,673	79,716	38,713	83,295	49,994	583,565	41,734	625,299
1964	11,048	32,602	88,079	40,471	36,309	99,355	30,927	89,104	39,423	91,728	47,790	606,834	40,102	646,936
1967	13,545	31,687	102,170	43,665	39,734	112,719	34,000	108,036	42,234	104,715	48,143	678,648	37,851	716,499
1970	13,630	31,484	103,886	44,695	41,971	120,000	36,906	119,840	43,498	114,137	45,247	715,300	36,572	751,872
1975	14,629	31,950	108,716	46,914	46,373	134,511	42,801	143,320	46,104	131,896	43,903	791,121	34,598	825,719
NEW MEXICO: Bernalillo														
1960	1	7,100	7,700	6,700	3,038	14,962	5,000	18,000	5,569	11,631	11,800	91,501	700	92,201
1964	1	7,300	8,500	6,400	3,393	16,707	5,800	20,500	6,573	13,727	12,800	101,701	600	102,301
1967	1	5,500	8,500	6,800	3,866	19,034	5,500	22,800	7,901	16,499	11,500	107,901	500	108,401
1970	1	5,265	9,010	6,705	4,243	20,888	5,936	25,183	9,062	18,923	11,793	117,013	439	117,452
1975	1	4,896	9,929	6,551	4,955	24,390	6,740	29,723	11,390	23,781	12,299	134,660	353	135,013
Catron														
1960	1	1	130	1	4	19	1	53	51	108	127	496	435	931
1964	1	43	119	1	6	27	1	32	45	94	124	493	285	778
1967	1	1	1	1	5	23	1	89	52	108	76	360	325	685
1970	1	1	0	1	6	27	1	83	49	102	69	345	260	605
1975	1	2	0	1	8	36	1	75	46	94	57	325	180	505

Table 17. continued.

State, County, Year	Non-Agricultural Employment												Agriculture	Total
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.	Employment	Employment
NEW MEXICO (continued)														
Chaves														
1960	532	1,590	711	729	550	2,710	562	1,478	879	1,836	3,149	14,726	1,803	16,529
1964	557	838	1,299	939	546	2,689	728	1,839	978	2,042	3,293	15,748	1,575	17,323
1967	423	635	1,064	888	479	2,356	596	1,676	905	1,890	2,380	13,292	1,550	14,842
1970	410	462	1,416	1,019	463	2,279	665	1,869	948	1,979	2,281	13,797	1,426	15,223
1975	389	273	2,280	1,281	439	2,158	800	2,243	1,024	2,138	2,126	15,157	1,242	16,399
Colfax														
1960	126	114	405	351	90	442	91	420	207	431	740	3,417	625	4,042
1964	137	223	363	299	94	456	111	385	231	482	750	3,540	600	4,140
1967	1	73	424	299	102	501	123	558	252	525	634	3,492	460	3,952
1970	0	87	411	272	106	524	141	574	273	571	616	3,580	424	4,004
1975	0	116	390	232	114	566	178	604	314	657	588	3,763	371	4,134
De Baca														
1960	1	12	6	52	35	172	1	28	55	116	240	718	425	1,143
1964	1	26	1	36	23	116	1	43	57	120	207	631	315	946
1967	1	7	1	1	23	113	1	112	55	114	172	600	275	875
1970	1	8	0	0	17	89	1	149	55	115	151	591	223	814
1975	1	11	0	0	11	60	1	240	57	116	122	624	158	782
Grant														
1960	1,992	87	397	312	102	505	79	385	437	913	755	5,964	500	6,464
1964	1,664	286	331	273	115	566	107	461	454	949	733	5,937	370	6,307
1967	2,006	427	334	272	130	643	120	513	528	1,104	707	6,784	380	7,164
1970	1,879	568	300	251	143	706	146	583	557	1,166	689	6,993	320	7,313
1975	1,685	915	252	220	168	827	202	723	611	1,279	666	7,548	240	7,788
Guadalupe														
1960	1	56	1	1	62	308	30	184	75	157	247	1,122	685	1,807
1964	1	113	1	55	62	306	38	185	74	156	273	1,264	600	1,864
1967	1	17	1	1	74	363	51	267	90	189	239	1,293	275	1,568
1970	1	17	1	1	76	375	62	290	93	196	246	1,362	215	1,577
1975	1	19	1	2	81	396	87	333	98	208	259	1,489	144	1,633
Harding														
1960	1	1	44	1	8	37	1	15	48	101	54	311	300	611
1964	1	1	54	1	11	52	1	15	39	82	52	309	290	599
1967	1	1	1	1	8	38	1	54	36	74	36	251	290	541
1970	1	1	0	1	9	43	1	71	31	64	32	257	284	541
1975	1	1	0	1	11	54	1	115	24	50	27	289	274	563
Lincoln														
1960	1	75	42	120	36	179	23	131	96	201	356	1,260	510	1,770
1964	1	79	23	121	49	241	64	282	180	376	542	1,958	481	2,439
1967	5	127	54	126	49	242	61	217	201	421	475	1,978	470	2,448
1970	6	145	46	127	58	288	81	288	267	560	592	1,664	451	2,915
1975	10	181	35	130	79	387	130	465	430	902	856	3,610	423	4,033
Los Alamos														
1960	1	342	1	17	55	273	6	1,488	1,468	3,066	463	7,180	10	7,190
1964	1	196	25	23	66	324	74	1,563	1,604	3,352	477	7,705	10	7,715
1967	1	241	1	43	88	434	105	1,409	1,745	3,647	427	8,141	10	8,151
1970	1	181	1	57	104	511	139	1,418	1,872	3,913	424	8,625	10	8,635
1975	1	113	2	92	138	671	225	1,435	2,104	4,402	420	9,607	10	9,617
McKinley														
1960	2,711	527	298	746	284	1,300	131	738	932	1,949	1,164	10,760	920	11,680
1964	1,682	383	255	804	313	1,542	177	1,275	1,143	2,387	1,175	11,136	600	11,736
1967	1,563	524	323	866	357	1,759	205	1,519	1,069	2,233	1,014	11,432	420	11,852
1970	1,162	465	310	919	405	2,000	252	2,021	1,188	2,481	988	12,197	306	12,503
1975	709	381	290	1,016	502	2,480	357	3,256	1,419	2,958	946	14,319	180	14,499
Mora														
1960	1	1	22	1	9	43	1	122	67	140	103	510	1,149	1,659
1964	1	2	1	10	5	26	1	88	76	159	91	460	800	1,260
1967	1	243	1	1	4	20	1	112	72	151	123	729	410	1,139
1970	1	323	0	1	2	14	1	97	76	160	122	803	298	1,101
1975	1	520	0	2	1	8	1	77	85	179	120	998	176	1,174
Otero														
1960	1	602	1,450	287	245	1,210	207	1,676	1,098	2,296	1,866	10,738	580	11,318
1964	16	473	555	284	210	1,040	173	1,781	1,052	2,198	1,391	9,173	443	9,616
1967	1	374	970	34	260	1,294	230	2,514	1,247	2,607	1,450	10,981	380	11,361
1970	1	300	680	24	248	1,239	218	2,837	1,253	2,623	1,309	10,732	311	11,043
1975	1	195	360	14	229	1,146	193	3,406	1,247	2,620	1,097	10,508	221	10,729

Table 17--continued.

State, County, Year	Non-Agricultural Employment												Agriculture Employment	Total Employment
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.		
NEW MEXICO (continued)														
Rio Arriba														
1960	99	339	191	224	84	416	38	415	259	541	486	3,092	1,339	4,431
1964	48	82	148	224	96	473	64	501	312	653	472	3,073	1,000	4,073
1967	32	316	39	245	102	505	89	750	440	921	515	3,954	500	4,454
1970	23	230	28	249	111	552	118	914	528	1,108	515	4,381	364	4,745
1975	13	136	16	257	130	641	190	1,271	718	1,508	517	5,402	215	5,617
Sandoval														
1960	10	51	60	99	15	76	1	170	116	245	230	1,073	790	1,863
1964	1	77	210	102	16	76	19	216	142	299	307	1,465	725	2,190
1967	29	155	272	85	22	109	26	430	210	439	390	2,167	190	2,357
1970	21	206	362	83	24	117	34	572	257	536	486	2,698	138	2,836
1975	12	332	583	80	29	134	55	921	361	748	703	3,962	81	4,043
San Juan														
1960	1,933	1,381	441	1,837	389	1,913	325	1,198	356	744	1,922	12,439	765	13,204
1964	1,688	1,081	424	1,611	349	1,719	297	1,648	629	1,316	1,913	12,675	480	13,155
1967	1,360	1,346	862	1,759	382	1,882	316	1,538	958	2,003	1,820	14,246	435	14,681
1970	1,198	1,222	984	1,659	365	1,802	327	1,830	1,275	2,665	1,795	15,128	323	15,451
1975	971	1,041	1,229	1,505	339	1,676	313	2,445	2,053	4,293	1,755	17,626	197	17,823
San Miguel														
1960	1	110	222	327	123	607	82	499	716	1,495	809	4,991	1,220	6,211
1964	16	140	111	300	134	660	107	603	577	1,205	725	4,578	950	5,528
1967	8	234	279	280	142	702	132	542	729	1,523	710	5,281	550	5,831
1970	10	301	229	262	151	747	161	592	675	1,411	662	5,207	422	5,629
1975	17	459	165	235	167	829	226	687	595	1,244	590	5,219	272	5,491
Santa Fe														
1960	270	746	540	755	389	1,913	583	2,236	1,467	3,064	2,176	14,139	660	14,799
1964	87	824	741	564	427	2,101	809	2,665	1,461	3,052	2,251	14,982	600	15,582
1967	70	721	568	559	483	2,376	764	2,797	1,818	3,797	2,035	15,988	375	16,363
1970	51	743	647	469	523	2,578	916	3,134	1,901	3,971	2,031	16,969	320	17,289
1975	30	781	806	351	600	2,953	1,239	3,789	2,048	4,279	2,026	18,908	247	19,155
Socorro														
1960	150	72	22	102	52	253	24	141	292	611	528	2,247	365	2,612
1964	26	175	38	91	61	298	37	162	252	526	498	2,164	325	2,489
1967	47	133	195	82	62	307	53	201	173	361	534	2,148	235	2,383
1970	34	177	259	74	68	340	70	228	146	305	523	2,229	204	2,433
1975	20	285	417	64	80	403	113	282	110	230	507	2,517	162	2,679
Taos														
1960	103	52	161	77	65	320	34	337	159	333	570	2,211	830	3,041
1964	356	57	78	71	76	377	67	468	187	391	720	2,848	730	3,578
1967	384	126	121	84	85	421	71	573	257	518	742	3,402	335	3,737
1970	511	158	88	83	95	474	94	726	302	633	857	4,025	263	4,288
1975	823	231	52	81	115	580	152	1,077	398	831	1,090	5,434	177	5,611
Torrance														
1960	1	50	1	146	46	225	1	45	77	162	261	1,015	495	1,510
1964	1	1	1	141	40	198	1	48	96	202	245	974	460	1,434
1967	1	1	1	134	45	223	1	174	106	222	278	1,186	220	1,406
1970	1	0	1	129	42	212	1	231	123	258	275	1,277	180	1,457
1975	1	0	1	123	38	195	1	372	158	331	270	1,495	129	1,624
Valencia														
1960	1,235	458	132	1,001	180	889	244	840	372	776	1,088	7,215	900	8,115
1964	691	219	169	878	157	773	170	531	447	935	857	5,827	808	6,635
1967	553	500	228	937	167	823	177	862	588	1,229	863	6,927	700	7,627
1970	403	392	281	879	156	768	144	733	694	1,454	751	6,659	637	7,296
1975	238	261	399	791	139	685	102	560	918	1,926	595	6,619	544	7,163
NEW MEXICO: Total For Counties in Region														
1960	9,171	13,165	11,527	13,599	5,596	27,562	7,258	28,923	13,698	28,620	27,268	186,387	15,426	201,813
1964	8,962	12,146	12,892	12,944	6,039	29,736	8,672	33,510	15,557	32,505	28,505	199,468	12,604	212,072
1967	6,489	11,328	13,270	13,464	6,675	32,874	8,414	37,193	18,185	37,988	25,672	211,552	8,905	220,457
1970	5,720	10,960	14,382	13,250	7,178	35,344	9,297	41,596	20,383	42,580	25,908	226,603	7,518	234,121
1975	4,930	10,964	16,855	13,024	8,155	40,138	11,123	50,702	24,970	52,164	26,544	259,573	5,786	265,359
NEW MEXICO: State Total														
1960	20,110	18,803	16,503	20,017	8,118	39,982	9,406	36,200	20,492	42,808	43,300	275,739	31,400	307,139
1964	17,510	17,202	17,134	19,502	8,677	42,723	11,305	42,800	23,081	48,219	45,000	293,153	24,800	317,953
1967	16,109	15,703	18,007	20,005	9,334	45,966	10,882	48,600	26,759	55,892	39,998	307,255	22,200	329,455
1970	14,952	14,938	18,799	19,871	9,913	48,808	12,042	55,362	29,747	62,135	40,045	326,617	19,077	345,694
1975	13,550	14,358	20,785	19,781	11,022	54,246	14,401	69,531	35,817	74,816	40,373	368,684	14,941	383,625

Table 17 continued.

State, County, Year	Non-Agricultural Employment												Agriculture Employment	Total Employment
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.		
UTAH														
Beaver														
1960	37	66	198	232	49	139	15	82	40	42	230	1,130	350	1,480
1964	68	38	242	46	62	169	31	96	101	143	210	1,206	330	1,536
1967	57	31	106	238	61	170	17	121	123	149	200	1,273	260	1,533
1970	75	22	100	173	69	191	22	139	163	198	187	1,346	238	1,584
1975	122	13	92	102	87	231	36	176	263	319	168	1,616	206	1,822
Carbon														
1960	1,829	155	102	535	247	709	126	408	387	471	610	5,579	230	5,809
1964	1,252	163	119	501	245	672	131	425	422	598	720	5,246	170	5,416
1967	939	166	83	518	242	680	141	410	649	786	700	5,314	130	5,444
1970	706	171	84	501	240	660	146	416	749	958	767	5,404	102	5,506
1975	439	181	86	476	237	629	156	428	953	1,333	894	5,815	69	5,884
Daggett														
1960	1	5	1	23	1	25	1	17	79	96	30	279	60	339
1964	1	17	1	5	1	8	1	17	57	87	30	225	39	264
1967	1	1	1	20	1	28	1	7	71	85	30	246	30	276
1970	1	1	1	14	1	20	1	5	61	79	30	217	22	239
1975	1	1	1	8	1	12	1	4	48	71	30	181	13	194
Duchesne														
1960	61	39	59	78	70	201	84	132	156	191	470	1,541	970	2,511
1964	22	58	68	82	63	174	26	138	132	186	370	1,319	680	1,999
1967	31	125	51	94	74	207	57	163	245	296	350	1,693	530	2,223
1970	22	166	52	99	72	197	61	173	254	322	300	1,703	407	2,110
1975	13	267	54	109	68	182	24	192	271	372	232	1,790	263	2,053
Emery														
1960	737	1	16	37	29	85	3	61	133	163	280	1,545	610	2,155
1964	301	198	23	37	34	94	5	87	137	194	310	1,420	430	1,850
1967	311	72	25	36	38	108	3	34	174	210	300	1,311	330	1,641
1970	226	95	31	35	42	118	3	34	186	236	316	1,329	253	1,582
1975	133	154	46	35	51	136	5	35	209	288	345	1,444	163	1,607
Garfield														
1960	22	23	220	43	28	80	3	163	115	140	310	1,147	360	1,507
1964	1	33	162	46	35	97	15	171	122	172	310	1,164	260	1,424
1967	3	143	195	49	34	94	4	197	148	178	300	1,345	190	1,535
1970	2	190	169	51	38	104	5	208	159	202	297	1,432	146	1,578
1975	1	306	134	56	47	125	8	230	181	250	294	1,637	95	1,732
Grand														
1960	664	57	12	244	76	217	41	138	121	148	670	2,388	110	2,498
1964	624	178	169	202	93	253	50	207	156	220	630	2,782	80	2,862
1967	802	165	104	173	95	268	40	378	171	206	600	3,002	60	3,062
1970	816	219	138	149	107	297	42	503	202	256	572	3,307	46	3,353
1975	841	353	222	117	132	352	48	810	268	370	529	4,048	30	4,078
Iron														
1960	558	106	108	273	166	479	52	320	344	419	510	3,335	570	3,905
1964	278	139	120	261	195	533	77	348	429	606	580	3,566	490	4,056
1967	249	175	266	208	209	587	98	401	644	780	550	4,167	370	4,537
1970	181	215	337	192	233	638	130	434	800	1,023	586	4,774	318	5,092
1975	107	305	499	170	280	733	208	496	1,150	1,609	653	6,215	248	6,463
Juab														
1960	171	50	290	59	56	161	22	49	130	158	220	1,366	340	1,706
1964	193	7	442	38	76	208	17	67	137	193	220	1,598	240	1,838
1967	226	5	435	2	72	203	13	79	165	200	210	1,610	180	1,790
1970	251	3	556	1	85	234	10	98	177	226	207	1,854	137	1,991
1975	299	2	837	0	112	299	7	141	199	279	204	2,385	88	2,473
Kane														
1960	1	101	29	11	33	95	1	130	67	82	250	800	180	980
1964	3	33	36	9	31	86	3	149	70	98	210	728	130	858
1967	4	4	13	6	44	124	4	155	91	110	200	755	100	855
1970	5	2	11	4	45	126	5	169	98	125	178	774	78	852
1975	8	1	10	3	48	131	8	196	113	155	147	826	51	877
Millard														
1960	26	30	42	154	92	263	20	139	194	237	430	1,627	1,050	2,677
1964	29	10	47	152	99	273	27	133	183	259	520	1,732	960	2,692
1967	36	11	57	119	91	257	28	139	252	305	500	1,795	680	2,475
1970	40	8	63	112	93	259	33	136	261	332	554	1,895	599	2,494
1975	48	4	75	101	97	263	45	133	276	385	659	2,092	485	2,577

Table 17. continued.

State, County, Year	Non-Agricultural Employment												Agriculture	Total
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.	Employment	Employment
UTAH (continued)														
Piute														
1960	28	7	4	2	6	16	1	14	40	48	70	236	230	466
1964	48	16	3	6	6	15	3	10	45	63	80	295	170	465
196.	21	12	2	2	6	17	5	2	47	56	80	250	130	380
1970	24	15	1	2	6	16	6	1	50	64	86	277	102	379
1975	31	25	1	4	6	16	10	0	57	80	98	334	69	403
San Juan														
1960	1,434	115	33	120	72	206	27	94	141	173	760	3,175	580	3,755
1964	518	180	110	164	61	166	1	116	182	258	540	2,296	410	2,706
1967	359	89	92	114	70	198	25	145	219	264	500	2,075	320	2,395
1970	261	100	122	127	65	181	18	172	264	335	402	2,052	247	2,299
1975	154	123	197	152	58	156	10	229	363	502	279	2,227	161	2,388
Sanpete														
1960	5	45	367	58	81	232	29	192	285	347	720	2,361	1,430	3,791
1964	8	109	572	60	84	232	31	201	298	422	730	2,747	1,060	3,807
1967	6	121	771	53	86	241	35	211	360	435	700	3,019	800	3,819
1970	7	161	1,026	52	88	242	37	219	384	491	699	3,411	631	4,042
1975	10	259	1,652	52	92	246	41	233	430	602	698	4,319	425	4,744
Sevier														
1960	89	79	478	139	165	473	75	204	253	308	790	3,053	950	4,003
1964	43	60	479	113	170	465	74	253	252	357	750	3,016	710	3,726
1967	37	86	483	114	171	482	68	276	335	405	720	3,177	540	3,717
1970	26	79	484	101	174	480	66	319	355	453	692	3,234	428	3,662
1975	15	69	486	82	179	479	63	406	392	548	648	3,373	292	3,665
Summit														
1960	36	80	189	90	45	129	20	62	153	187	280	1,271	490	1,761
1964	30	109	189	90	71	196	26	121	154	217	260	1,463	340	1,803
1967	25	29	148	77	83	235	28	187	185	224	250	1,471	260	1,731
1970	21	26	140	74	110	312	33	248	193	246	237	1,646	197	1,843
1975	16	23	128	70	177	503	44	400	207	288	217	2,079	125	2,204
Uintah														
1960	838	376	165	166	135	388	59	225	292	357	620	3,621	860	4,481
1964	862	118	131	154	169	462	68	247	327	462	630	3,630	600	4,230
1967	795	152	121	154	181	510	81	360	392	475	600	3,821	460	4,281
1970	794	110	103	147	209	577	91	412	435	556	599	4,039	351	4,390
1975	793	65	80	136	267	710	111	517	519	724	598	4,526	224	4,750
Utah														
1960	120	1,469	7,609	1,204	1,202	3,457	595	5,196	1,956	2,385	4,360	29,553	2,300	31,853
1964	143	1,575	7,481	1,122	1,412	3,790	635	7,109	2,000	2,830	4,190	32,287	2,240	34,527
1967	230	1,478	8,072	1,224	1,513	4,256	678	9,239	2,617	3,167	3,970	36,444	1,670	38,114
1970	282	1,519	8,123	1,196	1,688	4,606	714	11,755	2,810	3,588	3,833	40,119	1,544	41,663
1975	398	1,590	8,210	1,151	2,027	5,255	779	17,564	3,164	4,419	3,616	48,178	1,356	49,534
Wasatch														
1960	386	6	54	46	68	97	52	140	106	130	240	1,325	400	1,725
1964	426	76	74	36	76	214	37	151	106	149	260	1,605	280	1,885
1967	371	49	75	49	76	212	27	169	152	185	250	1,615	220	1,835
1970	381	65	90	45	81	282	20	181	164	210	259	1,782	169	1,951
1975	400	105	124	39	90	454	13	203	187	259	277	2,155	109	2,264
Washington														
1960	7	97	42	57	153	438	46	351	275	336	730	2,532	760	3,292
1964	2	190	146	72	183	500	54	324	233	329	690	2,723	615	3,338
1967	1	184	202	68	215	604	63	364	408	493	650	3,252	470	3,722
1970	0	244	268	77	247	680	71	356	418	531	620	3,518	391	3,909
1975	0	394	433	95	312	828	88	343	437	603	574	4,111	289	4,400
Wayne														
1960	1	1	6	3	3	8	9	18	53	65	130	297	290	587
1964	1	5	2	2	5	7	11	12	55	77	100	277	210	487
1967	1	1	18	8	7	20	1	9	78	94	100	337	160	497
1970	1	1	16	8	9	23	0	6	85	108	85	348	124	472
1975	1	2	13	9	15	30	0	4	101	137	66	381	82	463
UTAH: Total For Counties in Region														
1960	7,051	2,908	10,024	3,574	2,777	7,898	1,281	8,135	5,320	6,483	12,710	68,161	13,120	81,281
1964	4,853	3,312	10,616	3,198	3,171	8,614	1,323	10,382	5,598	7,918	12,340	71,325	10,444	81,769
1967	4,505	3,099	11,320	3,326	3,369	9,501	1,417	13,046	7,526	9,103	11,760	77,972	7,890	85,862
1970	4,131	3,422	11,924	3,171	3,709	10,252	1,503	15,994	8,280	10,549	11,517	84,458	6,542	91,000
1975	3,893	4,251	13,390	2,978	4,393	11,778	1,714	22,750	9,798	13,601	11,236	99,733	4,852	104,585

Table 17.continued.

State, County, Year	Non-Agricultural Employment												Agriculture Employment	Total Employment
	Mining	Construc.	Manufac.	Tran., Comm. & Public Util.	Wholesale Trade	Retail Trade	Finance Insurance	Other Services	Fed. Govt.	State & Loc. Govt.	Other	Total Non-Agri.		
UTAH (continued)														
UTAH:														
State Total														
1960	14,085	14,727	47,179	22,090	15,366	44,088	11,281	32,167	27,998	34,131	41,990	348,682	21,790	326,892
1964	10,579	16,981	52,095	21,506	17,730	48,547	12,762	38,952	31,027	42,928	43,680	336,787	18,394	355,181
1967	10,330	13,328	50,320	22,741	18,753	52,794	12,993	47,270	44,324	53,630	41,405	367,888	13,870	381,758
1970	9,336	14,000	53,329	23,041	20,687	58,978	14,101	55,473	51,086	64,402	42,040	404,509	11,932	416,441
1975	8,239	15,594	59,642	24,089	24,439	64,937	16,280	73,038	65,244	88,256	43,334	483,098	9,453	492,551
Regional Portion of Arizona														
1960	10,101	5,800	5,400	3,900	2,070	8,230	1,103	6,500	6,290	7,410	9,000	65,804	7,200	73,004
1964	10,025	3,850	5,900	3,650	2,240	8,860	1,400	7,850	7,215	8,835	9,600	69,425	6,025	75,450
1967	7,376	2,710	6,550	3,790	2,535	10,040	1,690	9,220	8,530	10,205	9,475	72,121	7,875	79,996
1970	7,122	2,276	7,388	3,841	2,773	10,948	1,954	10,695	9,734	11,838	9,966	78,540	7,555	86,095
1975	7,055	2,023	9,646	4,180	3,295	12,919	2,562	14,045	12,829	15,734	11,118	95,413	7,159	102,572
Regional Portion of Colorado														
1960	6,472	6,065	18,613	7,472	6,025	24,309	4,725	17,433	13,254	33,989	1,725	140,062	21,464	161,526
1964	5,393	7,114	17,267	7,428	6,107	25,727	4,892	19,149	13,641	37,368	605	144,691	20,754	165,445
1967	6,990	6,811	20,901	8,328	6,133	29,134	6,079	24,584	14,384	42,310	544	166,198	19,626	185,824
1970	7,028	7,404	21,120	8,772	6,437	31,253	6,563	27,548	14,958	46,049	484	177,621	19,060	196,681
1975	7,557	8,656	22,150	9,866	7,238	35,543	7,614	33,593	16,362	53,138	460	202,184	18,209	220,393
Regional Portion of New Mexico														
1960	9,171	13,165	11,527	13,599	5,596	27,562	7,258	28,923	13,698	28,620	27,268	186,387	15,426	201,813
1964	6,962	12,146	12,892	12,944	6,039	29,736	8,672	33,510	15,557	32,505	28,505	199,468	12,604	212,072
1967	6,489	11,328	13,270	13,484	6,675	32,874	8,414	37,193	18,185	37,988	25,672	211,552	8,905	220,457
1970	5,720	10,960	14,382	13,250	7,178	35,344	9,297	41,596	20,383	42,580	25,908	226,603	7,518	234,121
1975	4,930	10,964	16,855	13,024	8,155	40,138	11,123	50,702	24,970	52,164	26,544	259,573	5,786	265,359
Regional Portion of Utah														
1960	7,051	2,908	10,024	3,574	2,777	7,898	1,281	8,135	5,320	6,483	12,710	68,161	13,120	81,281
1964	4,853	3,312	10,616	3,198	3,171	8,614	1,323	10,382	5,598	7,918	12,360	71,325	10,444	81,769
1967	4,505	3,099	11,320	3,326	3,369	9,501	1,417	13,046	7,526	9,103	11,760	77,972	7,890	85,862
1970	4,131	3,422	11,924	3,171	3,709	10,252	1,503	15,994	8,280	10,569	11,517	84,458	6,542	91,000
1975	3,839	4,251	13,390	2,978	4,393	11,778	1,714	22,750	9,798	13,601	11,236	99,733	4,852	104,585
Sum of Four Corners Region														
1960	32,795	27,938	45,564	28,545	16,468	67,999	14,367	60,991	38,562	76,482	50,703	460,414	57,210	517,624
1964	27,233	26,422	46,675	27,220	17,557	72,937	16,287	70,891	42,011	86,626	51,050	484,909	49,827	534,736
1967	25,360	23,948	52,041	28,908	18,712	81,549	17,600	84,043	48,625	99,606	47,451	527,843	44,296	572,139
1970	24,003	24,064	54,813	29,035	20,099	87,798	19,319	95,834	53,356	111,017	47,876	567,216	40,676	607,892
1975	23,382	25,894	62,042	30,050	23,083	100,379	23,015	121,092	63,961	134,640	49,360	656,903	36,008	692,911
Sum of Four States														
1960	62,287	99,296	204,442	107,102	74,163	241,354	64,563	197,683	112,083	204,454	191,284	1,031,711	137,324	1,169,035
1964	54,410	94,285	215,508	106,079	81,156	264,285	73,794	234,556	123,846	238,760	197,170	1,685,849	123,321	1,809,170
1967	53,185	83,978	248,797	112,651	88,256	293,279	80,865	276,576	149,737	281,202	192,671	1,861,197	111,796	1,972,993
1970	51,186	80,834	267,722	114,951	96,717	320,534	91,708	324,071	167,784	327,528	196,366	2,039,407	103,263	2,142,670
1975	50,663	79,196	313,239	120,870	113,659	373,007	114,293	425,241	206,306	425,933	204,295	2,428,707	91,756	2,520,463